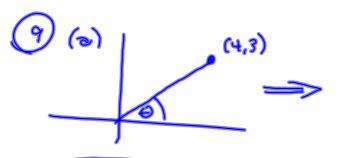
S1.4 #s 1-8all, 9-97 Du monday \$1,3 #67 Standing 45 me from bldg.

Angle of elevation 82° Friend on 86th floor How far to your friend? 123 m to the top from 86# floor. My solutions! I just tried to say how tall the bldg was. Totally missed the guestion. So gain of selt on my solutions. = tan 820 y = 45 tan 820 ≈ 320,1916375 m ≈ 320 m os Height of Bldg is about 443 m. 42 = 602 82° → Secnus. Bryan

S1.4 Stant #5 9-12 Find Exact value of 6 trys.



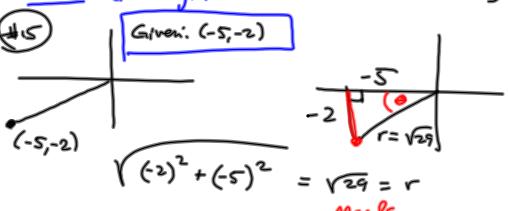
$$r = \sqrt{3^2 + 4^2} = 5$$

$$8 : \Theta = \frac{3}{2} \qquad Csc \Theta = \frac{3}{2}$$

$$\cos \theta = \frac{4}{5}$$

$$\tan \theta = \frac{3}{4}$$

#\$ 13-18 The point is on the terminal side of an angle in stdd position. Fird Exact 6 trigs. Julio's listening



$$S = -\frac{2}{\sqrt{2}} \cdot \frac{\sqrt{2}9}{\sqrt{2}} = -\frac{2\sqrt{2}9}{29}$$

$$\tan \theta = \frac{2}{5}$$

sin', cos-, tan- Keys on calculator are INVERSE TRIG FUNCS.

To do things like cot O,

- 1 / Answer

Inverse Trigs do this!

$$5u^{-1}(\frac{1}{2}) = 30^{\circ}$$

#5 19-22 Determine the quadrant in which the (terminal side of the) angle lies. \$ rot 0 < 0 megative $\frac{\cos \Theta}{\sin \Theta} = \frac{x/r}{y/r} = \frac{x}{4}$

#523-32 Fiel 6 thigs, given the constraints.

